

KHOMINSKIY, B.S. (Kiyev)

Progress of tumors of neural ectoderm. Arkh. pat. 27 no. 12:
3-14 '65. (MIRA 18:12)

1. Otdel patomorfologii (zav. - prof. B.S. Khominskiy) Instituta
neyrokhirurgii (dir. - prof. A.P. Romodanov) Ministerstva
zdravookhraneniya UkrSSR. Submitted April 14, 1965.

Arkiv pat. 14

Tumors

Problems of origin and pathmorphological diagnosis of gliomas. Arkhiv pat. 14
No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KHOMINSKIY, V. [Khomyns'kiy, V.], inzh.

New method of burning clay tile. Bud. mat. i konstr. 4 no.1:37-38
Ja-F '62. (MIRA 15:7)

(Tiles)

KHOMISKOV, M. V.

Title: The Electrotechnical Informer. The electric structures and power stations. The substation and transmission lines, issue #3 published under the editorial supervision of M. V. Khomiskov.

(Elektrotekhnicheskii spravocchnik; elektricheskie ustanovki vysokogo napriazheniia stantsii)

Publisher: State Printing House of Energetics.

City: Moscow

Date: 1950 495 pages

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, Jan., 1950, p. 684

ZOLO TAR', I.M., dotsent; ^{K.I.} ~~KHOMITSEVICH, I.K., dotsent.~~

"Electromechanical engineering in mining". A.A.Kulikov.
Reviewed by I.M.Zolotar', K.I.Khomitsevich. Ger.shur.no.3:
62-64 Mr '56. (MIRA 9:7)

L.Khar'kovskiy gorany institut.
(Electricity in mining) (Mining machinery) (Kulikov, A.A.)

Kucherev, A.S.
FEDOROV, Mikhail Mikhaylovich; IL'ICHEV, A.S. redaktor [deceased];
~~KHOMITSSEVICH, K.I.~~, kandidat tekhnicheskikh nauk, redaktor;
KUCHEROV, P.S., redaktor; FEDOROVA, Z.M., kandidat tekhnicheskikh
nauk, redaktor; KUKHTENKO, A.I., doktor tekhnicheskikh nauk,
redaktor; KRYZHANOVSKIY, O.M., kandidat tekhnicheskikh nauk, redaktor
SAVIN, G.M., akademik, otvetstvennyy redaktor; ZIL'BAN, M.S.,
redaktor izdatel'stva; RAKHLINA, N.P., tekhnicheskiy redaktor

[Selected works in two volumes] Izbrannye trudy; v dvukh tomakh.
Kiev, Izd-vo Akad. nauk USSR. Vol.1. 1957. 274 p. (MLRA 10:6)

1. Akademiya nauk USSR (for Savin). 2. Chlen - korrespondent
Akademii nauk SSSR (for Il'ichev). 3. Chlen-korrespondent Akademii
nauk USSR (for Kucherev)
(Mine hoisting)

KHOMITSEVICH, K.I., dotsent

Role of booster units in a mine compressed air system.
Ugol' 38 no.12:28 '63.

(MIRA 17:5)

1. Khar'kovskiy institut gornogo mashinostroyeniya,
avtomatiki i vychislitel'noy tekhniki.

KHOMITSEVICH, Konstantin Ignat'yevich; KACHAROVSKIY, V.M., kand.
tekhn. nauk, otv. red.; DYUZHENKO, G.A., red.; DEMCHUK,
R.P., tekhn. red.

[Pneumatic equipment in mining] Rudnichnye pnevmaticheskie
ustanovki. Khar'kov, Izd-vo Khar'kovskogo gos. univ., im.
A.M.Gor'kogo, 1960. 255 p. (MIRA 14:5)
(Pneumatic machinery)

PROLOV, Petr Prokhorovich, dotsent. Prinimali uchastiye: ZVYAGIN, V.S., dotsent; PETROV, I.P., dotsent. VESELOV, A.I., prof., doktor tekhn.nauk, retsenzent; BOROKHOVICH, A.I., dotsent, retsenzent; KHOMITSSEVICH, K.I., otv.red.; D'YAKOVA, G.B., red.isd-vs; SABITOV, A., tekhn.red.; LOMILINA, L.N., tekhn.red.

[Mine compressor equipment] Rudnichnoe kompressornoe khoziaistvo. Moskva, Gos.nauchno-tekhn.isd-vs lit-ry po gornomu delu, 1961.
227 p. (MIRA 14:4)

(Air compressors)

PHASE I BOOK EXPLOITATION

SOV/5418

Khomitsevich, Konstantin Ignat'yevich

Rudnichnyye pnevmaticheskiye ustanovki (Compressed-Air Installations in Mines) Khar'kov, Izd-vo Khar'kovskogo univ., 1960. 255 p. 3,000 copies printed.

Resp. Ed.: V. M. Kacharovskiy, Candidate of Technical Sciences;
Ed.: G. A. Dyuzhenko; Tech. Ed.: R. P. Demchuk.

PURPOSE: This textbook is intended for students at mining schools of higher education who are studying the applications of electrical engineering in mining. It may also be of use to technical personnel concerned with the operation of compressed-air installations.

COVERAGE: Arrangements and calculations of compressed-air piping systems are discussed. Described are air-compression processes, compressors, accessories, cooling systems, and electric drives. Principles of designing air-compression installations are

Card 1/8

Compressed-Air Installations in Mines

SOV/5418

considered and methods of mounting and operating these installations are analyzed. No personalities are mentioned. There are 36 references: 29 Soviet, 4 German, and 3 English.

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Specifications for compressed-air piping in mines. Arrangement of compressed-air piping system	5
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Card 2/8

FEDOROV, Mikhail Mikhaylovich; KHOMITSEVICH, K.I., kand.tekhn.nauk, red.toma; KUCHEROV, P.S., red.; KUKHTENKO, A.I., doktor tekhn. nauk, red.; FEDOROVA, Z.M., kand.tekhn.nauk, red.; KRYZHA-NOVSKIY, O.M., kand.tekhn.nauk, red.; ZIL'BAN, M.S., red.isd-va; MATVEYCHUK, A.A., tekhn.red.

[Selected works in two volumes] Izbrannye trudy v dvukh tomakh. Kiev, Izd-vo Akad.nauk USSR. Vol.2. 1960. 462 p.

(MIRA 13:7)

1. Deyatvitel'nyy chlen AN USSR (for Fedorov). 2. Chlen-korrespondent AN USSR (for Kucherov).

(Mining machinery)

KHOMITSKAYA, L.F.

Influence of galascorbin and thyroidin on the restorative
processes in injured muscles. Vrach.delo no.4:431-433 Ap
'60. (MIRA 13:6)

1. Kafedra biokhimii (sav. - prof. Ye.F. Shamray) Kiyevskogo
meditsinskogo instituta.

(ASCORBIC ACID--PHYSIOLOGICAL EFFECT)

(THYROIDIN--PHYSIOLOGICAL EFFECT)

(MUSCLES--WOUNDS AND INJURIES)

KHQMITSKAYA, L.F. [Khomyts'ka, L.P.]

Interrelations between the function of the thyroid gland and regenerative processes in the muscles following administration of galascorbine. Fiziol.zhur.[Ukr.] 9 no.1:96-101 Ja-F '63.

(MIRA 18:5)

1. Kafedra biokhimi Kiyevskogo meditsinskogo instituta im. akademika A.A.Bogomol'tsa.

FETISOVA, T.V.; KHOMITSKAYA, L.F. [Khomyts'ka, L.F.]; TSIOMIK, V.A.
[TSiomyk, V.O.]

Effect of ischemia on various indices of energy and protein
metabolism of the myocardium. Ukr. biokhim. zhur. 36 no.1:
80-87 '64. (MIRA 17:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut klinicheskoy
meditsiny im. akad. N.D. Strazhesko.

FETISOVA, T.V. [Fetysova, T.V.]; KHOMITSKAYA, L.F. [Khomits'ka, L.F.];
TSIOMIK, V.A.

Reactive changes in the metabolism of infarction and peri-
infarction portions of the heart in dogs. Fiziol. zhur. [Ukr.]
10 no.1:61-67 '64. (MIRA 17:8)

1. Otdel biokhimii Ukrainskogo instituta klinicheskoy medi-
tsiny im. akademika Strazheskogo, Kiyev.

KRICITSKAYA, T.A., Cand Med Sci -- (diss) "^{Tuall} ~~Tissular~~ therapy
in lingering and chronic dysentery." Mos, 1958, 11 pp (Acad
Med Sci USSR, Order of Labor Red Banner Inst of Pathiatrics)
200 copies (KL, 51-58, 102)

- 11 -

KHOMITSKAYA T. A.

EXEPTA MEDICA Sec 7 Vol 13/8 Pediatrics Aug. 59

1961. TISSUE THERAPY IN CHRONIC DYSENTERY (Russian text) - Khomi-
skaya T. A. - PEDIATRIYA 1958, 7 (84-88)

In 41 of 75 children, there was a favourable response to implantation of refrigerated placental tissue. All patients were in the reparation phase, with normal stools, but with pronounced signs of malnutrition. In 15 other children, with allergic manifestations of the skin and upper respiratory tract, tissue therapy caused exacerbations of the symptoms of the intestinal and respiratory tracts, and is therefore considered to be contraindicated. The remainder of the patients showed no change after treatment.

Najman - Zagreb (L, 7)

TSIMBLER, I.V., prof., SOKOLOV, T.S., kand.med.nauk, KHOMITSKAYA, T.A.

Coli enteritis in nursing infants. [with summary in English]
Pediatria 36 no.5:3-10 My'58 (MIRA 11:6)

1. Iz kliniki patologii rannego detskogo vozrasta (zav. - prof.
I.V. TSimbler) Instituta pediatrii AMN SSSR (dir. - prof. O.D.
Sokolova-Ponomareva).
(INFANTS--DISEASES)
(INTESTINES--DISEASES)

YAKHININA, N.A.; SHATROV, I.I.; MORDVINOVA, N.B.; MARKUS, V.D.;
KHOMITSKAYA, T.A.; MINDLINA, R.S.; BOTVINNIKOVA, M.Ye.

Inoculation of pathogenic agents and the epidemiological
significance of patients with colienteritis at various
stages of the disease. Zhur. mikrobiol., epid. i immun.
33 no.1:80-83 Ja '62. (MIRA 15:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR, Pediatricheskogo instituta AMN SSSR i 12-y gorodskoy
detskoy infektsionnoy bol'nitsy.

(ESCHERICHIA COLI)
(INTESTINES--DISEASES)

YEZHOVA, G.G.; YAKHNINA, N.A.; KHOMITSKAYA, T.A.

O-agglutinins in the blood of children with collienteritis.
Zhur.mikrobiol.,epid. i immun. 41 no.5:128-133 My '64.

(MIRA 18:2)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR i Institut pediatrii AMN SSSR.

MEDVEDEV, S.S.; ABKIN, A.D.; KHOMIKOVSKIY, P.M.; GERASIMOV, G.N.; GROMOV,
V.F.; CHIKIN, Yu.A.; TSINGISTER, V.A.; AUER, A.L.; YAKOVLEVA, M.K.;
MEZHIROVA, L.P.; MATVEYEVA, A.V.; BEZZUBIK, Z.G.

Polymerisation of ethylene by means of γ -radiation. Vysokom.soced.
2 no.6:904-915 Js '60. (MIRA 13:6)

1. Fiziko-khimicheskiy institut imeni L.Ia.Karpova.
(Ethylene) (Polymerisation) (Radiation)

MININBERG, S.Ya.; KHOMITSKIY, B.P., [Khomits'kiy, B.P.]; SHATKOVSKAYA,
M.M. [Shatkova'ka, M.M.]

Effect of microelements (Mn and B) on the dynamics of glutathione
content in leaves and stems of the grapevine. Visnyk Kyiv.un.
no.3. Ser.biol. no.1:63-67 '60. (MIRA 16:4)

(GLUTATHIONE)
(PLANTS, EFFECT OF TRACE ELEMENTS ON)
(KIEV REGION—GRAPE)

KHOMITSKIY, B.P. [Khomits'kyi, B.P.]

Effect of growing conditions on the content of various carbohydrates in apples. *Visnyk Kyiv. un no.5. Ser.biol. No.1:*
42-48 '62. (MIRA 16:5)
(CARBOHYDRATES) (KIEV REGION—APPLE)
(FRUIT—CHEMICAL COMPOSITION)

KHOMITSKIY, B.P. [Khomits'kyi, B.P.]

Effect of cultivation conditions on the pectin content in apples.
Ukr. bot. zhur. 21 no. 2:55-60 '64. (MIRA 17:5)

1. Institut botaniki AN UkrSSR, otdel biokhimi.

KHOMITSKIY, B.P. [Khomyts'kyi, B.P.]

Effect of the conditions of growth on the ascorbic acid content
of apples. Visnyk Kyiv.un. no.5. Ser.biol. no.2:65-71 '62.
(ASCORBIC ACID) (APPLE) (MIRA 16:5)

KHONITSKIY, F. V.

1986. Problem of visceral leishmaniasis in dogs. F. V. Khonitskiy
Trud. 7. Sess. Akad. Nauk Turkmen SSR, 1984. Ashkhabad, 1985. 405—
408; Referat. Zh. Biol., 1986 Abstr. No. 52273 (Russian)
C. C. BARNARD

KHOMITSKIY, F. B.

USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40622.

Author : ~~Khomitskiy, F. B.~~

Inst : Turkmen Farm Institute.

Title : Pathological and Anatomical Heart Changes in Foot-and-Mouth Disease of Calves.

Orig Pub: Tr. Turkm. s.-kh. in-ta, 1956, 8, 137-140.

Abstract: No ephtae were found on the skin and on the mucosa of 12 calves aged 2 weeks to one year who died from foot-and-mouth disease. In ten of the calves more or less pronounced cardiac changes were revealed, most frequently in the wall of the left ventricle, as well as of the cardiacseptum in the form of a

Card : 1/2

KHOMITSKIY, F. V.

USSR / Diseases of Farm Animals. Diseases
Caused by Helminths.

R-2

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7324

Author : F. V. Khomitskiy
Inst : Turkmenian Agricultural Institute
Title : The Morphology of Dipetalonematodiasis of Camels.

Orig Pub: Tr. Turkmen. s-kh. in-ta, 1956, 8, 141-146.

Abstract: The macro- and microscopic changes discovered in the organs of three camels affected by dipetalonematodiasis are described. In a drop of blood of a camel one to two "microdipetalonema" were discovered in the field of vision. In the area of the sharp edge of the lungs, short and solid cords three to four millimeters in diameter were felt - dilated and thickened branches of the pulmonary artery, in which living and mature "dipetalonema" were found (the first were found also

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in its branches (1.5-2.0 mm in diameter). On the surface of the inner membrane of the affected vessels were nipple-like growths and folds of a grey-white color, one to two centimeters long, located along the vessels, consisting of mature connective tissues, enfolding the parasite, and causing its death. The muscular sheath of the vessels was hypertrophied; in its walls and surrounding connective tissues there were eosinophilic infiltration and sometimes hemorrhages. In the capillaries of the alveoli are single "micro-dipetalonema". Alveoli are in a state of atelectasis, the walls of the bronchi are infiltrated with eosino-

Card 2/3

20

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7324

Abstract: philes. The spermiduct is thickened (sometimes more than twice), and compressed. The changes in its vessels are similar to changes described above. Besides the lung vessels and spermiduct "Microdipetaloma" were found also in the heart vessels. While mature parasites were discovered only in the pulmonary vessels and in the spermiduct. Adult parasites even as the "microdipetaloma" may cause an embolism in the vessels, with a resulting formation of parasitic nodes.

USSR/Diseases of Farm Animals - Diseases Caused By Protozoa.

R-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45427

Author : Kirniyenko(Koneva), Z.P., Khomitskiy, F.V.

Inst : Turkmenian Agricultural Institute.

Title : Pathologico-Anatomic and Histological Changes in Anaplasmosis of Cattle.

Orig Pub : Tr. Turkm. s.-kh. in-ta, 1956, 8, 147-150

Abstract : As a result of intoxication in anaplasmosis of internal organs of cattle, degenerative changes occur which develop into necrosis. The reaction of the macrophagocytic elements is weak. Anemia develops as a result of the decrease of the erythropoietic function of bone marrow.

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USSR/Diseases of Farm Animals. Diseases Caused by Helminths

R

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88295

Author : Khomitskiy F.V., Tokin K....

Inst : Turkmen Agricultural Institute

Title : The Problem of Clinical Symptoms and Pathomorphology of Encylostomiasis in Dogs.

Orig Pub : Tr. Turkm. s.-kh. in-ta, 1957, 9, 265-267

Abstract : No abstract

Card : 1/1

KNOMITSKIY, O.V., inzh.; GORODETSKIY, A.Yu., inzh.

Network for controlling contactors in testing the life of a relay.
Elektrotehnika 35 no.10:37-39 O '64.

(MIRA 17:11)

KHOMITSKIY, Oleg Vladimirovich, aspirant

Determination of the reliability of operation and release of a
voltage relay. Izv.vys.ucheb.zav.; elektromekh. 8 no.7:819-827
'65. (MIRA 18:8)

1. Kafedra elektricheskikh apparatov Khar'kovskogo politekhnicheskogo
instituta.

KHOMITSKIY, V.A., inzh.

Design of cabs for earthworking machinery. Stroi. i dor. mash. 8
no.2:10-11, F '63. (MIRA 16:3)

(Excavating machinery)

DATT, M.M., inzh.; KHOMITSKIY, Ye.F., inzh.

New developments in the installation of grounding devices.
Prom. energ. 18 no.3:31-34 Mr '63. (MIRA 16:6)

(Electric currents—Grounding)

SOSHKO, A.I.; TETERSKIY, V.A.; TYNNIY, A.N.; KHOMITSKIY, Yu.N.; STEFYUK, T.Yu.

Methods of investigating the effect of ionized gas atmospheres on the
properties of metals. Vliian. rab. sred na svois. mat. no.3:40-47 '64.
(MIRA 17:10)

KHOMIZURASHVILI, N. M.

"Fruit Growing in Georgia and a Survey of Its Development"

SO: Trudy of Fruit Growing Experimental Station, Vol 1, 1948 (in Georgian)
S 117, p38, 51

\$

რეზიუმე
KHOMIZURASHVILI, N., prof., red.; RTSKHILADZE, G., dots.red.

[Russian-Georgian agricultural dictionary] Russko-gruzinskii sel'sko-khoziaistvennyi slovar'. Tbilisi, Gosizdat Truzinskoi SSR, 1956.
268 p. (MIRA 11:3)

(Russian language--Dictionaries-Georgian)
(Agriculture--Dictionaries)

、KHOMIZURI, P.I.

Problems of greater consistency in stratigraphic terminology. Sov.
geol. 3 no.3:133-135 Nr '60. (MIRA 13:11)
(Geology, Stratigraphic--Terminology)

KHOMKA, E. S.

KHOMKA, E. S.: "The sorption of electrolytes of copper oxide and hydroxide." Min Higher Education USSR. Latvian State U. Chemistry Faculty. Riga, 1956. (Dissertation for the Degree of Candidate in Chemical Sciences).

SO:Z Knizhaya Letopis', No 23, 1956

KHOMKA, Vladislav, dr. [Chomka, Wladyslaw]

Influence of ordering on cadmium diffusion in MgCd_3
alloy. Acta physica Pol 24 no.5:669-674 N°63.

1. Vtoraya kafedra fiziki, Gdanskiy politekhnicheskii in-
stitut.

KHOMKA, Vladislav [Chomka, Wladyslaw]

Influence of ordering on the diffusion of cadmium in Mg_3Cd alloy.
Nukleonika 8 no.3:185-189 '63.

1. Gdanskii Politekhnikheskii Institut, Kafedra 2 Fiziki, Gdansk.

L 41858-65 EWT(m)/EWA(h)
ACCESSION NR AM5004499

BOOK EXPLOITATION

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B+1

Gorchakov, Aleksandr Danilovich; Zhukov, Yuriy Afanas'yevich; Koshelav, Leonid Ivanovich; Rossal, Nikolay Antonovich; Khomko, Arkadiy Antonovich

Simplified shelters for protection from mass-injury weapons (Prosteyshiye ukrytiya dlya zashchity ot oruzhiya massovogo porazheniya), Moscow, Stroyizdat, 1964, 097 p. illus. Errata slip inserted. 22,000 copies printed.

TOPIC TAGS: civil defense, nuclear explosion, nuclear decontamination, nuclear radiation, nuclear defense, fallout shelter

PURPOSE AND COVERAGE: This book describes the simplest shelters for people, food and water against a nuclear explosion. It makes recommendations on their construction, the adaptation of existing buildings, basements of homes and various local objects and also on the use of various materials, structures and articles for this purpose. The book is intended for a broad audience.

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ACCESSION NR AM5004499

Ch. II. Fallout shelters in rural regions -- 21
Ch. III. Design of fallout shelters -- 73
Ch. IIII. Rules of conduct in the event of nuclear attack -- 89

SUBMITTED: 29Jul64

SUB CODE: MS, PH

NO REF SOV: 000

OTHER: 000

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2/2
Card

KHOMKO, V.G. starshiy nauchnyy sotrudnik

Sowing rates of vetch when grown for seed. Zemledelie 23
no.3:89-90 Nr '61. (MIRA 14:3)

1. Tyumenskaya sel'skokhozyaystvennaya optnaya stantsiya.
(Vetch)

GRANOVSKIY; DILL', A.; ORLOVSKIY, U.; GARIN, L.; VASIL'YEV, S.;
BUDLYANSKIYL; BALDAYEV, V.; ZAKHAROV, A.; SMETANIN, I. (Kirov);
STEPANOV (Barnaul); KHOMKA, Yuriy

News from everywhere. Sov.foto 22 no.11:44-45 N '62.
(MIRA 16:1)

1. Fotokorrespondent TASS (for Granovskiy).
(Photography)

~~KHOMKHOLOV, Bazhey Khankharayevich; SHULUNOV, N.D., spets.red.;~~
~~SOMKIN, A.N., red.isd-va; AKHANOV, TS.B., tekhn.red.~~

[Soviet Buryat-Mongolia in the united family of nations of
the U.S.S.R.] Sovetskaya Buriat-Mongoliya v edinoy sem'e
narodov SSSR. Ulan-Ude, Buriat-Mongol'skoe knizhnoe izd-vo.
1958. 398 p. (MIRA 12:5)
(Buryat-Mongolia)

KHOMKO, S.F., inzhener.

Achievements of efficient promoters. Nauka i pered.op. v sel'khoz.
no.2:56-57 F '57. (MIRA 10:3)
(Agricultural machinery)

N

USSR / Weeds and Weed Control.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58827

Author : Khomko, V. G.
Inst : Stavropol' Agricultural Institute
Title : Chemical Means of Controlling Weeds in Sowings of Perennial Grasses

Orig Pub : Sb. nauchno-issled. rabot stud. Stavropol'sk. s.-kh. in-t, 1956, vyp 4, 52-54

Abstract : Repeated (May 27th when mass sprouting of weeds was noticed and June 26th when the depression of slowly growing grass by remaining and newly germinated weeds was observed) spraying of sowings of pasture and multiharvesting rye grass in doses of 0.8 kg/ha caused the destruction of 81% of weeds in 1955. This was found in experiments carried out at the Stavropol' selection station. The destruction of 24-71.8% of

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USSR / Weeds and Weed Control.

N

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58827

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weeds was observed when similar plots were sprayed with mono- di- and trimethyl amine and diethyl amine salts 2.4-DU (in doses of 0.2-0.4 kg/ha). -- B. D. Aleglan

Card 2/2

KHONIK, K. T.,

"Effect of Drainage upon the Runoff Conditions in the Estonian SSR, (Dissertation for Degree of Candidate for Technical Sciences) Moscow Inst of Engineers of Water Industry imeni V. R. Vil'yams, Moscow, 1955

SO: M-1036 28 Mar 56

Khommik, K. I.

AUTHOR: Khommik, K.T., Candidate of Technical Sciences 99-58-6-5/11

TITLE: Calculations of Drainage systems (Raschët osushitel'nykh sistem)

PERIODICAL: Gidrotekhnika i Melioratsiya, 1958, Nr 6, pp 33-39 (USSR)

ABSTRACT: This article explains in detail calculations on drainage systems and harvest losses due to an overabundance of moisture in soil. In this connection he mentions the research work done in this field by A.I. Ivitskiy and E.K. Khaller. I.A. Eyzen concluded that each centimeter of groundwater level exceeding the drainage standard by 1.7-2% reduces the harvest. Calculations on harvest losses have been carried out in the Estonian SSR for field crop rotations at various degrees of drainage (table 1). As far as cultivated meadows are concerned, the studies made by the Institute of Reclamation and Assimilation of Drained Lands of the Estonian Academy of Sciences, and by the Institut melioratsii i bolotnogo khozyaystva Belorusskoy SSR (Institute of General and Swamp Reclamation of the Belorussian SSR) showed that each centimeter rise in groundwater level, exceeding the standard of drainage, reduces the harvest by 2%. Calculations of harvest losses due to different drainage

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99-58-6-5/11

Calculations of Drainage Systems

ratios have been carried out for those cases where drains are arranged on water-resisting layers at a depth of 1.0 m. The results of these calculations are illustrated by table 2. There are two tables.

AVAILABLE: Library of Congress

Card 2/2 1. Drainage systems-Effectiveness

KHOMMIK, K.T. [Homnik, K.]

Intensity of land drainage in some countries. Gidr. i mel. 17
no.4:46-50 Ap '65. (MIRA 18:5)

1. Estonskiy nauchno-issledovatel'skiy institut zemledeliya i
melioratsii.

ZVEREV, M.S.; IZVEKOV, V.A.; OBORENEVA, A.G.; KHOMIK, L.M.

Stars - Catalogs; Stars - Classification

List of stars in the catalog of weak stars. Astron. zhur. 29 no. 1, 1952. Gos.
Astronomicheskii IN-T im. P.K. Shternberga recd. 21 May 1951.

SO: Monthly List of Russian Accessions, Library of Congress, May 195², Uncl.

KHOZMAK, L. M., ZVEREV, M. S. and OBOZNEVA, A. G.

"Star Catalog FKSZ in the FK3 System Compiled From Observation of the Moscow Transit Instrument in 1940-41," Soobshch. Gos. astron. in-ta im. P. K. Shternberga, No. 97-98, pp 3-46, 1954.

In 1939 the Third Astrometric Conference at the Shternberg National Astronomic Institute (GAISH) ordered a star catalog FKSZ compiled, containing stars of 7.5-8.5 magnitudes of K and M spectral classes and with proper motions not exceeding 0.04". This catalog was approved by the Fourth Astrometric Conference in 1939 and it was adjusted to be used with the system FK3. Observations were carried out at Pulkovo, Moscow, Kazan, Tashkent and Odessa. The catalog contains 545 stars for the equinox 1950.0 and for the times of observations. (RZhAstr, No. 11, 1955)

SO: Sum No. 812, 6 Feb 1956.

KHOMMIK, L.M.

Determining right ascensions of 589 FKSZ stars on the Moscow
Repold meridian circle in 1953-1958. Trudy GAISH 31:11-21
'62. (MIRA 15:5)

(Transit circle)
(Stars---Observations)

OBORNEVA, A.G.; PODOBED, V.V.; KHOMMIK, L.M.

Catalog of right ascensions and declinations of 589 stars of the
FKSZ list in the FK3 system. Trudy GAISH 31:42-127 '62. (MIRA 15:5)
(Stars--Catalogs)

KHCHNYUK, V.F.

Balncological evaluation of mineral waters of the Virgin Territory
and Karaganda Province. Izv. AN Kazakh. SSR. Ser. med. nauk no.1:
66-71 '64 (MIRA 17:7)

KHOMOVA, N. V.

"Investigations in the Field of Tautomeric Compounds: V. On the Chemistry of Formation of Colored Images in Three-Layer Cinema Films," Iz. Ak. Nauk SSSR, Otdel Khim Nauk, No 3, 1945.

Lab. Dyestuffs, Leningrad Inst. Chem. Technol.

KHOMOVSKIY, A.A. (Moskva)

Commitment to and release from obligatory therapy and other measures
of a medical nature. Zhur.nevr.i psikh. 59 no.9:1124-1131 '59.
(MIRA 12:11)

(MENTAL DISORDERS jurisprudence)

PHOMOVIRY, A. 1.

Some ways of scientific cooperation of jurists and psychiatrists.
Zhurn. nevro. i psikh. 65 no.10:1585-1588 '65.

(MIRA 18:10)

KHOMSKAYA, Ye. D. Cand Ped Sci -- (diss) "The Role of Speech in
Compensating ^{on} ~~the~~ Neurodynamic Disorders of ~~the~~ Conditioned Motor
~~XXXXXXXXXX~~ Reactions (Experimental Study of Children With
Cerebrasthenia)." Mos, 1957. 17 pp 20 cm. (Mos State Univ im
M. V. Lomonosov, Philosophy Faculty, Chair of Psychology), 150
copies (KL, 27-57, 111)

- 94 -

USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41734.

Author : Khomskaya, Ye. D.

Inst : ~~Not Given~~

Title : The Dynamics of the Latent Periods of Motor Reactions in Children.

Orig Pub: Dokl. Akad. ped. nauk RSFSR, 1957, No 1, 133-137.

Abstract: The latent periods (LP) of conditioned motor reactions in children 7-12 years old, suffering from the cerebro-asthenic syndrome, under conditions of gross differentiation by color (by presentation of the signals every 4-6 seconds for a duration of 2-2 1/2 sec.) varied at first, then became

Card 1/2

USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41734.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722220010-5

Abstract: stabilized. The motor reactions were disturbed and the dynamics of LP changed by the increase of the tempo of the presentation and the decrease of the duration of the signals. Preliminary disinhibition of the differentiation was more often associated with decrease of the LP; preliminary extinction of positive reactions, by prolongation of LP. In elaboration of the differentiation by the intensity of light LP was prolonged. The analysis of light signals by brightness required a greater effort on the part of the inhibitive process, than analysis by color. -- K. S. Ratner.

Card 2/2

KHOMSKAYA, Ye.D.

Role of speech in compensation in disorders of conditioned motor reactions in children [with summary in English]. Zhur.vys.nerv. deiat. 7 no.5:659-665 S-O '57. (MIRA 10:12)

1. Detskiy psikhonevrologicheskiy sanatoriy Mosgorzdrava.

(REFLEX, CONDITIONED.

motor, disord., role of speech in compensation in child. (Rus))

(SPEECH,

in compensation in motor conditioned reflexes in child. (Rus))

ZISLINA, N.N.; KHOMSKAYA, Ye.D.

International Symposium on the Electroencephalography of the
Higher Nervous Activity. Vop. psikhol. 5 no.3:175-180 My-Je
'59. (MIRA 12:9)

(Electroencephalography)

KHOMSKAYA, Ye.D.

In the Section on Medical Psychology and Psychophysiology
of the Moscow Branch of the Psychological Society. Vop.
psikhol. 6 no.2:164-166 Mr-Apr '60. (MIRA 13:7)
(Psychology—Societies)

KHOMSKAYA, Ye.D.; KONOVALOV, Yu.V.; LURIYA, A.R. (Moskva)

Role of the speech system in the regulation of the vegetative
components of the orienting reflex in local lesions of the brain.
Vop.neirokhir. no.4:33-38 '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(BRAIN--DISEASES) (SPEECH) (REFLEXES)

VLADIMIROV, A.D.; KHOMSKAYA, Ye.D.

Photoelectric method for registering eye movements. Vop.psikhel.
7 no.3:177-180. My-Je '61. (MIRA 14:6)

1. Kafedra psikhologii Moskovskogo gosudarstvennogo universiteta.
(Eye, Instruments and apparatus for)

LURIYA, Aleksandr Romanovich. Prinimali uchastiye: POLYAKOV, G.I.;
KHOMSKAYA, Ye.D.; KANDEL', E.I., red.; GEORGIYEVA, G.I.,
tekhn. red.

[Higher cortical functions in man and their disturbances
in focal lesions of the brain] Vysshie kerkovye funktsii chelove-
ka i ikh narusheniia pri lokal'nykh porasheniakh mozga. Mo-
skva, Izd-vo Mosk. univ., 1962. 43 p. (MIRA 16:1)
(BRAIN--WOUNDS AND INJURIES) (NEUROLOGY)

KHOMSKAYA, Ye.D. (Moskva)

Afferent apparatus in eye movements; a study of eye movements
by the photoelectric method. Vop. psikhol. 8 no.3:73-84 My-Je
'62. (MIRA 15:6)
(Eye--Movements) (Photoelectric measurements)

VLADIMIROV, A.D.; KHOMSKAYA, Ye.D.

Photoelectric method of registering eye movements during the
examination of objects. Vop. psikhol. 8 no.5:91-94 S-0 '62.
(MIRA 16:5)

1. Otdeleniye psikhologii Moskovskogo gosudarstvennogo universiteta.
(Eye—Movements)

LURIYA, Aleksandr Romanovich; KHOMSKAYA, Ye.D., red.; POLUKAROVA,
Ye.K., tekhn. red.

[Human brain and psychic processes; neuropsychological
studies] Mozg cheloveka i psikhicheskie protsessy; neuro-
psikhologicheskie issledovaniia. Moskva, Izd-vo APN RSFSR.
Vol.1. 1963. 476 p. (MIRA 17:2)

KHOMENKO, Ye.D.

Cortical regulation of eye movements. Vop. psikhol no.3:64-72
My-Je '63. (MIRA 17:2)

1. Otdeleniye psikhologii Moskovskogo universiteta, laboratoriya
neyropsikhologii.

KHOMSKAYA, Ye. D.; ARTEM'YEVA, Ye. Yu.

"Izucheniye proizvol'nogo vnimaniya metodom eeg u bol'nykh s porazheniyem lobnykh doley mozga."

report submitted for 15th Intl Cong, Intl Assn of Applied Psychology,
Ljubljana, Yugoslavia, 2-8 Aug 1964.

Moskovskiy universitet.

L 31330-65

ACCESSION NR: AP4046058

S/0245/64/000/005/0122/0126

AUTHOR: Artem'yeva, Ye. Yu.; Meshalkin, L. D.; Morozova, I. V.;
Sorkina, E. G.; Khomskaya, Ye. D.

TITLE: Experimental use of nonparametric static methods in
analyzing curves for recorded eye movements

SOURCE: Voprosy* psikhologii, no. 5, 1964, 122-126

TOPIC TAGS: human, eye, eye movement recording, nonstatistical
analysis, brain injury diagnosis

ABSTRACT: A nonstatistical method of analyzing eye movement curve
data has been developed to improve brain injury diagnosis. Photo-
electric recordings of eye movements for 14 patients with injuries of
the frontal lobe (motor area). 17 patients with localized injuries

electric recordings of eye movements for 14 patients with injuries of the frontal lobe (premotor area), 17 patients with localized injuries of the parietal and occipital lobes, and 10 healthy persons were extensively analyzed. On the basis of the analysis data, three indices were selected for brain injury diagnosis: 1) degree of "independent" eye movement normalcy, 2) difference between the maximum frequencies of "independent" and "tracking" eye movements,

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ACCESSION NR: AP4046058

and 3) nature of slow "tracking" eye movements. "Independent" eye movements were determined by the subject's eye movement frequency in shifting his eyes between two points (30° apart) upon verbal instruction. "Tracking" eye movements were determined by the subject's eye movement frequency in tracking a spot of light moving in a horizontal plane from left to right and back again. A rating scale ranging from 1 to 5 was worked out to facilitate evaluation of each index. Typical eye movement patterns served as standards for the rating scale (see enclosures 01 and 02). A patient's eye movement curves can be evaluated in less than 20 min by this method. Tabulation of index ratings for all investigated subjects showed that 12 of the 14 patients with injuries of the premotor area had the same rating of "2" for degree of "independent" eye movement.

that 12 of the 14 patients with injuries of the premotor area had the same rating of "3" for degree of "independent" eye movement normalcy. Other brain injuries also appear to be characterized by specific index ratings. The validity of these findings was confirmed by evaluating eye movement curves for 14 new subjects. The improvement of local brain injury diagnosis by a nonstatistical analysis of eye movements appears feasible. Orig. art. has: 5 figures.

L 31330-65

ACCESSION NR: AP4046058

ASSOCIATION: Otdeleniye psikhologii Moskovskogo universiteta
(Psychology Department, Moscow University)

SUBMITTED: 00

ENCL: 02

SUB CODE: L5, PH

NR REF SOV: 005

OTHER: 001

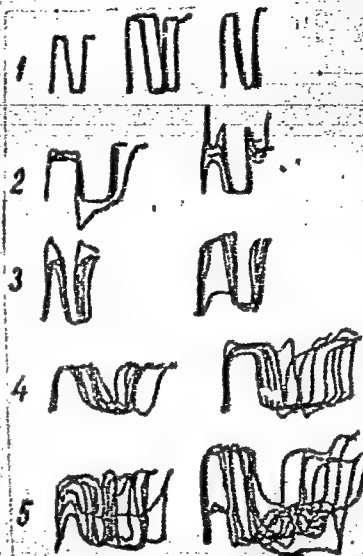
Card 3/5

L 31330-65

ACCESSION NR: AP4046058

ENCLOSURE: 01

Fig. 1. Typical mean patterns for "independent" eye movements (numbers indicate scale ratings).

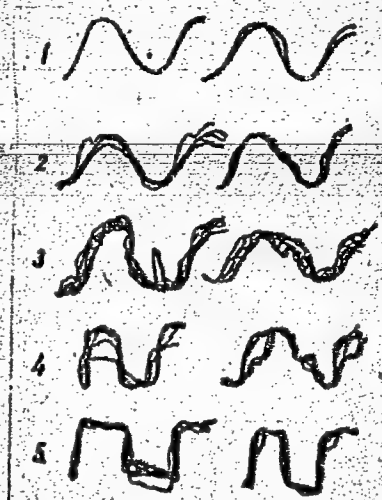


Card 4/5

L 31330-65
ACCESSION NR: AP4046058

ENCLOSURE: 02

Fig. 4. Standard scale for
rating "tracking" eye movements
by number.



Card 5/5

POLYAKOV, Grigoriy Izrailevich; KHOMSKAYA, Ye.D., red.

[Principles of neuronal organization of the brain] 0
printsipakh neironnoi organizatsii mozga. Moskva,
Izd-vo Mosk. univ., 1965. 165 p. (MIRA 18:8)

KHOMSKAYA, Ye.D.

Verbal regulation of the vegetative components of the orienting reflex in patients with variously localized brain damages. Vop. psikhol. 11 no.1:55-65 Ja-F '65. (MIRA 18:4)

1. Otdeleniye psikhologii Moskovskogo universiteta, laboratoriya neyropsikhologii.

IOSHPE, A.Ya.; KHOMSKAYA, Ye.D.

Regulation of temporal parameters of voluntary movements according
to the electromyographic data. Vop. psikhol. 11 no.3:103-112 My-
Jo '65. (MIRA 18:7)

1. Otdeleniye psikhologii Moskovskogo gosudarstvennogo universiteta.

ARTEM'YEVA, Ye.Yu.; KHOMSKAYA, Ye.D.

Reproducing the fixed rhythm of eye movements by memory.

Vop. psikhol. 11 no.6:110-115 N-D '65. (MIRA 19:1)

1. Otdeleniye psikhologii Moskovskogo gosudarstvennogo universiteta.

KHOM'SKIS, R. R.
Radiophysics

Dissertation: "An Investigation of the Angle of Dielectric Loss by Means of
a Phase Sensitive Electronic Current Indicator." Cand Phys-Math Sci, Vil'nyus
State U, Vil'nyus, 1953. (Referativnyy Zhurnal -- Fizika Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

26.6700

37877

S/056/62/042/005/022/050

B102/B104

AUTHORS: Nemenov, L. L., Solov'yev, L. D., Khomskiy, D. I.
 TITLE: The role of the bipion in the generation of a pion in
 nucleon-nucleon collisions
 PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,
 no. 5, 1962, 1283-1284

TEXT: Hitherto only single-meson graphs have been considered when
 calculating pion generation in N-N collisions (Phys. Rev., 123, 669, 1961).
 In this paper, the contribution of "bipion" graphs to the differential
 cross-section of the reaction $N + N \rightarrow \pi + N + N$ is calculated. Attention
 is confined to incident nucleons of energies between 600-1500 Mev, so that
 the energy of the nucleon and meson in the final state lies close to the
 (33)-resonance energy, and therefore their interaction need only be
 considered in the resonant state. It follows from the law of the conserva-
 tion of isotopic spin that the particles must have $T = 1$ in the
 intermediate state. For $T = J = 1$ and an energy of 4.7μ (μ -pion mass),
 two mesons are in resonant interaction, so the resonant state plays the

Card 1/3

S/056/62/042/005/022/050
B102/B104

The role of the bignon in ...

dominant role in the bignon exchange discussed here. The reaction $p + p \rightarrow \pi^+ + p + n$ is considered and the bignon contribution is calculated. Given that the incident proton is at a high energy level and is scattered through a small angle, we obtain

$$\begin{aligned} & [V\sqrt{2\pi} (g + 2M\mathcal{M})^2 \omega \epsilon^{03} \sin \delta_{33} / M^2 q^3] [(p_1^0 + M)(p_2^0 + M)/4M^2]^{1/2} \times \\ & \times \chi^+(p_1) \{2[qq] + i(kq)\sigma - i(ok)q\} \chi(p_1) \times \\ & \times \chi^+(p_2) \left(\frac{\sigma p_1}{p_1^0 + M} + \frac{\sigma p_2}{p_2^0 + M} \right) \chi(p_2) (m_B^2 - k^2)^{-1}. \end{aligned} \quad (3).$$

Here p_1 and p_2 are the momenta of the protons (p_2 is that of the target proton) q is that of the final proton, neutron and π^+ meson; $\vec{p}_1 + \vec{q} = 0$, $\omega = p_1^0 - q^0$; M is nucleon mass, χ are two-component spinors; $f^2 = 0.08$; m_B is the bignon mass; \mathcal{E} and \mathcal{M} stand for the isotopic-vectorial charge and the magnetic moment of the nucleon; with $(\mathcal{E} + 2M\mathcal{M})^2 = 466$, $m_B^2 = 22.4$ and a formula by Hohler (Nuovo Cim., 16,

Card 2/3

L 07079-67 EWT(1)/EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6015407

SOURCE CODE: UR/0181/66/008/005/1592/1598

AUTHOR: Khomskiy, D. I.

ORG: Physics Institute im. P. N. Lebedev, AN SSSR, Moscow (Fizicheskiy institut AN SSSR)

TITLE: Spectrum boundaries of disordered systems

SOURCE: Fizika tverdogo tela, v. 8, no. 5, 1966, 1592-1598

TOPIC TAGS: eigenvalue, scattering matrix, atomic spectrum, disordered system, disordered alloy

ABSTRACT: The structure of energy spectra of disordered systems (e. g., amorphous bodies, liquids, disordered alloys) is an important element in the analysis of their properties. Using the generalized Adamar criterion of nonsingularity of matrices, an attempt was made to find the spectrum boundaries for a one-dimensional (univariate) and a three-dimensional (trivariate) disordered alloy. Proceeding from the Adamar theorem and using the Gershgorin criterion of location of the eigenvalues of a matrix, the author considered the problem of the energy spectrum of an electron in an univariate disordered system, in the approximation of a strong bond. A mathematical model which defines the energy spectrum of an unsaturated polymer chain with disordered atoms was developed. The model can also be applied to adsorption on polymers when the effect

Card 1/2

L 07079-67

ACC NR: AP6015487

2

of the adsorbed atom upon the properties of the initial polymer chain can be described by the variation of the Coulon integral of the corresponding atom. The Gershgorin criterion was also tested for a definition of the spectrum boundary in a trivariate (three-dimensional) case, e. g., a cubic lattice. While the calculation is complex, the criterion is quite applicable to the problem. The conditions of existence of energy slits and their boundaries was developed mathematically. The author thanks L. V. Keldysh and G. V. Ryazanov for their interest in this work. Orig. art. has: 26 formulas.

SUB CODE: 20/

SUBM DATE: 30Sep65/

ORIG REF: 002/

OTH REF: 009

Card 2/2 JC

NEMENOV, L.L.; SOLOV'YEV, L.D.; KHOMSKIY, D.I.

Role of the bipion in $\overline{J/\psi}$ -meson production in nucleon-nucleon collisions. Zhur. eksp. i teor. fiz. 42 no.5:1283-1284 My '62. (MIRA 15:9)

1. Ob'yedinennyy institut yadernykh issledovaniy.
(Collisions (Nuclear physics))

ACCESSION NR: AT4041498

S/2910/63/003/01-/0073/0077

AUTHOR: Ovchinnikov, A. A., Khomskiy, D. I.

TITLE: Expression of atomic effects by means of Green's function

SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik, v. 3, no. 1-2, 1964, 73-77

TOPIC TAGS: Green function, atomic theory, quantum mechanics, wave function, electron scattering, photon absorption, photon emission, electron transition, electron paramagnetic resonance, Born approximation

ABSTRACT: One-particle and two-particle Green functions, $G_{\alpha\beta}(x|x't')$ and $G_{\alpha\beta}(x, y|x't', y't')$, can be expressed in terms of second-quantized wave functions, $\Psi(xt)$. Using the Born approximation for interaction between the atom and the outside perturbations and exact expressions for interaction between the electrons within the atom, and using the unit system $\hbar = c = 1$, the author derives the following expressions in terms of Green functions: Differential cross-section of electron scattering with transition of the atom from state $|\alpha\rangle$ to state $|\beta\rangle$, $d\sigma_{\alpha\beta} \rightarrow \beta(p')$, and the amplitude of this scattering, $f_{\alpha\beta} \rightarrow \beta(q)$, ($q = p - p'$ = transmitted momentum, p = momentum of approaching electron) for elastic and inelastic scattering. Performing all possible commutations in $f_{\alpha\beta} \rightarrow \beta$.

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Card

ACCESSION NR: AT4041498

the expression for scattering amplitude which takes exchange into account is obtained. From summation of the differential cross-sections, an expression for the full cross-section of electron scattering in the interval dp is obtained. From a Hamiltonian for atomphoton interaction, the probability of absorption (or radiation) of a photon with momentum K and polarization e_i is derived. An expression for the full probability of spontaneous emission of a photon by level $|\alpha\rangle$ is also given. Finally, the electron paramagnetic resonance transition amplitude is derived. The obtained formulas indicate what type of Green function is required for description of the atom subjected to outside perturbations. Generally, full cross-sections of various processes require a two-particle Green function, averaged over the α -state. The probability amplitudes of inelastic scattering from state α to state β require functions $G_{\alpha\beta}(x|x')$ which are more complicated than the $G_{\alpha\alpha}(x|x')$ used in elastic scattering. The required Green functions can be obtained from a number of available approximations. Orig. art. has: 14 equations.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova, Moscow (Physico-Chemical Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: GP

NO REF SOV: 001

OTHER: 004

2/2

Card

L 43865-65 EWT(1)/EPF(c)/EPA(w)-2/T/EWA(m)-2 Pab-10/Pr-4 LJP(c) WW
 ACCESSION NR: AP5006445 8/0051/65/018/003/0524/0525

AUTHOR: Khomskiy, D. I.

35
33
B

TITLE: Ionization of doubly excited atoms in an electric field

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 524-525

TOPIC TAGS: helium, excited level, ionization, autoionization, induced ionization

ABSTRACT: In view of the great difficulties of identifying spectral lines corresponding to transitions from auto-ionizing states, the author indicates a phenomenon which would make it possible to determine whether an observed line is connected with a transition from a long-lived doubly excited state. It is shown that an electric field can give rise to "forced auto-ionization" in such states in which spontaneous auto-ionization is forbidden by the selection rules. The mechanism is analogous to the de-excitation of the metastable $2s$ state of hydrogen in an electric field. Calculations for the $2p^2\ ^3P$ state of helium show that in fields on the order of 10^5 V/cm the lifetime of this state against induced ionization becomes comparable with the lifetime against dipole radiation. A similarity is in-

Card 1/2

L 43865-55

ACCESSION NR: AP5006445

licated between this phenomenon and the vanishing of spectral lines corresponding to transitions with large quantum numbers in the Stark effect. "I am grateful to M. V. Gur'yev and S. Ye. Kupriyanov for a useful discussion." Orig. art. has: 6 formulas.

ASSOCIATION: None

SUBMITTED: 09Aug64

ENCL: 00

SUB CODE: GP, EM

NR REF SOV: 003

OTHER: 008

ord 2/2

KHOMENIY, B.I.; SHIGORIN, D.N.

Mechanism of the generation of radicals during the excitation of systems with intermolecular hydrogen bonding. Zhur. fiz. khim. 39 no.8:2053-2055 Ag '65. (MIRA 18:9)

1. Moskovskiy fiziko-khimicheskiy institut imeni Karpova.

L 21573-66 EWT(m)/EWA(d)/EWP(t) JD
ACC NR: AP6011492

SOURCE CODE: UR/0386/66/003/007/0281/0284

AUTHOR: Balkarev, Yu. I.; Khomskiy, D. I.

ORG: Physics Institute in P. N. Lebedev, Academy of Sciences, USSR (Fizicheskiy institut Akademii Nauk SSSR)

TITLE: Lattice stability in the phononless mechanism of superconductivity

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 7, 1966, 281-284

TOPIC TAGS: superconductivity, critical point, crystal lattice

ABSTRACT: In view of the interest in the feasibility of superconductors with high critical temperatures, the authors consider the effect exerted on the stability of a superconductor lattice if it is assumed that the superconductivity is governed by a direct electron-electron mechanism. It is shown by calculating the polarization operator and by assuming certain physically reasonable values for the energy gap and the interaction constant, that if the superconductivity mechanism is phononless the critical temperature can indeed reach values 10^{-10^3} deg K in substances with weak electron-phonon interaction (such as most metals can be shown to be). The temperature at which the lattice instability first sets in is also higher than the

Card 1/2

L 21573-66
ACC NR: AP6011492

critical temperature of the superconducting transition. The authors thank V. L. ²
Ginzburg and L. V. Keldysh for a discussion of the work. Orig. art. has: 8 for-
mulas.

SUB CODE: 20/ SUBM DATE: 01Feb66/ ORIG REF: 004/ OTH REF: 001

Card 2/2 *ULR*

SAVITSKIY, V.L., kand.tekhn.nauk [deceased]; KURAKOV, I.I., inzh.;
KURAKOV, I.I., inzh.; KHOMSKIY, I.G., inzh.

RM-500 pumpless mercury arc rectifier with six anodes.

Vest.elektroprom. 31 no.2:49-51 F '60.

(MIRA 13:6)

(Electric current rectifiers)

KHOMSKIY, P., inzh.

Following the example of Vladimir Province builders. Stroitel' no.9:
13-14 S '59. (MIRA 13:3)
(Uglezavodsk--Precast concrete)

KHOMSKIY, P.D. (g.Oktyabr'skiy)

Shop for manufacturing brick blocks. Stroi.pred.neft.prom. 1 no.4:
18-21 Ja '56. (MIRA 9:9)

1.Instruktor Byuro tekhnicheskoy pomoshchi.
(Building blocks)

KHOMSKIY, P.^D inzh.

Assembly-line production of brick blocks. Stroitel' no.5:13
My '59. (MIRA 12:8)

(Arkhangel Province--Building blocks)
(Assembly-line methods)

KHOMUDES, E. S.

F

CUPOLA FURNACE WITH PREHEATER. Khomudes, E. S. (Vestnik Mashinostroeniya (Journal of Machine Construction), 1950, vol. 30, 6, 31-33; abstr. in chem. abstr., 1950, vol. 45, 512). Increased effectiveness and economy result from the use of preheated air in a cupola furnace. Syzha preheater installation is described and illustrated.

USSR METALLURGICAL LITERATURE CLASSIFICATION

SECTION DIVISION

SECTION MAP ONE ONE

RELATIONS

SECTION DIVISION

RELATION ONE ONE